IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Costa et al.

Application No.: 10/018,248

Filed: June 8, 2000

For: ANIMAL MODELS AND METHODS FOR

ANALYSIS OF LIPID METABOLISM AND SCREENING OF PHARMACEUTICAL AND PESTICIDAL AGENTS THAT MODULATE

LIPID METABOLISM

Confirmation No.: 6072

Art Unit: Not Assigned

Examiner: Not Assigned

Attorney Docket No.: EX99-004C-US

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Dated: September 26, 2002

Sir:

In accordance with 37 C.F.R §1.56, this Information Disclosure Statement is being submitted for the above reference application.

In accordance with 37 C.F.R §1.97 (g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined by 37 C.F.R. §1.56 exists.

In accordance with 37 C.F.R §1.97 (h), the disclosure contained herein is not intended to constitute an admission that any patent, publication, or other information referred to is "prior art" or "analogous art" for this invention.

Form PTO-1449 is enclosed. Pursuant to 1.98 (d), the listed references are not enclosed and were previously cited by or submitted to the Office in the identified prior application which is relied upon for an earlier filing date. The IDS is filed before the date of mailing the 1st Office Action on the merits.

The Commissioner is hereby authorized to charge any additional fees, if necessary, to Deposit No. 50-1108.

Respectfully submitted,

Laleh Shayesteh

Reg. No. 47,937

Tel: (650) 837-8223; Fax: (650) 837-7179

			Application Number	10/018,248
TRANS	MITTAL	•	Filing Date	06/08/2000
/ FORM		First Named Inventor	Costa, Michael	
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			Examiner Name	Not yet assigned
al Number of Pages in	This Submission	1	Attorney Docket Number	EX99-004C-US
		ENCL	OSURES (check all that apply)	
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Affidavits/declara	tion(s)		n to Convert to a onal Application	Status Letter
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Firm or Individual name Laleh Shayesteh		-		
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Application Number 10/018,248

Filing Date 06/08/2000

First Named Inventor Costa, Michael

Group Art Unit

Examiner Name

Attorney Docket Number EX99-004C-US

(use as many sheets as necessary)
Sheet 1 of 6

U.S. PATENT DOCUMENTS Name of Patentee or Applicant of Cited Document Document Number Cite Pages, Columns, Lines, Where Relevan **Publication Date** Examiner Passages or Relevant Figures Appear MM-DD-YYYY No. Initials Number - Kind Code² (if known) US-4,935,363 June 19, 1990 Brown et al. 1 US-5,215,910 Brown et al. 2 June 1, 1993 October 26, 1993 Brown et al. 3 US-5,256,545 Brown et al. 4 US-5,378,603 January 3, 1995 March 12, 1996 Brigg et al. 5 US-5,498,696 June 18, 1996 Goldstein et al. 6 US-5,527,690 July 1997 Korach et al. 7 US-5,650,550 US-5,780,262 July 14, 1998 Brent et al. 8 Goldstein et al. 9 US-5,891,631 April 6, 1999 US- 5,919,462 July 1999 Narwa et al. 10 US-US-US-US-US-US-US-US-US-US-

		FOREIGN PA	TENT DOCU	MENTS		
Examiner Cite No.1		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Applicant of Cited Document		٣
	11	WO9102058	February 1991	Tischer		

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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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6 EX99-004C-US Sheet 2 Attorney Docket Number of

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	,	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	9
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	12	HUA et al., 1996 Cell 87:415-426.	
	13	MARGOLIS, J. and DUYK, G., 1998, Nat. Biotechnol. 16:311.	
 , ,	14	MARTIN and KUSEL, 1992, Parasitology 104(3):549-555.	
	15	PAGANO et al., 1991, J. Cell. Biol. 113(6):1267-1279.	
	16	PAGANO and Chen, 1998, Ann NY Acad. Sci. 845:152-160.	
	17	RAWSON et al., 1997, Mol. Cell 1:47-57.	
	18	REDMAN and KUSEL, 1996, Parasitology 113(2):137-143.	
<u> </u>	19	SAKAI et al., 1998, J. Biol. Chem. 273:5785-5793.	
	20	SCANGOS, 1997, Nat. Biotechnol. 15:1220-1221.	
	21	SPIEGELMAN et al., 1996, Cell 87:377-389.	
	22	THEOPOLD et al., 1996, Proc. Natl. Acad. Sci. USA 93(3):1195-1199.	

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Sheet 3 of 6 Attorney Docket Number EX99-004C-US

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	23	VILLEE et al., General Zoology, chapter 24, pages 509-515, 1984, Saunders Colleger Publishing, NY.	
	24	KPHARA et al., (Seq Name gb_est47:D35004; Accession no D35004, published 08/08/1994).	
	25	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AA391707 5prime LD Drosophila melanogaster embryo BlueScript Drosophila melanogaster cDNA clone LD11632 5prime, mRNA sequence	
	26	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AA439767 5prime LD Drosophila melanogaster embryo BlueScript Drosophila melanogaster cDNA clone LD14421 5prime, mRNA sequence	
	27	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AC007121 Drosophila melanogaster, chromosome 2R, region 42A8-42A16, P1 clones DS06954 and DS05325, complete sequence	
	28	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. U38238 Dropspphila melanogaster transcription factor HLH106 mRNA, complete cds	
	29	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. B41527 HS-1053-B2-G10-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 775 Col=20 Row=N, genomic survey sequence	
	30	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. A54962 sterol regulatory element binding protein 2 precursor - human	
	31	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. B54962 sterol regulatory element-binding protein 2 precursor - Chinese hamster	
	32	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. A54164 sterol regulatory element-binding protein 1 - Chinese hamster	
	33	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. D83782 Human mRNA for KIAA0199 gene, partial cds	

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First Named Inventor Costa, Michael

Group Art Unit

Examiner Name

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Sheet 4 of 6 Attorney Docket Number EX99-004C-US

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	100
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	34	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. C11831 Yuji Kohara unpublished cDNA Caenorhabditis elegans cDNA clone yk125f3 5prime, mRNA sequence	
·	35	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAB13887 Sequence 38 from patent US 5527690	
	36	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAB13894 Sequence 54 from patent US 552769	
	37	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAB19103 SREBP cleavage activating protein [Cricetulus griseus]	
	38	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. CAA69563 orf c04034 [Sulfolobus solfataricus]	
	39	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAB85845 conserved protein [Methanbacterium thermoautotrophicum]	
	40	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAC53526 S2P [Cricetulus griseus]	
	41	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAC51937 S2P [Homo sapiens]	
	42	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. CAA18255 putative protein [Arabidopsis thaliana]	
	43	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. CAA87777 similarity to the transmembranous domain of 3-hydroxy-3-methylgiutaryl-coenzyme A reductase,; cDNA EST EMBL: D35100 comes from this gene; cDNA EST EMBL: D32450 comes from this gene; cDNA EST EMBL: D33885 comes from this gene; cDNA EST EMBL: D65504 comes from this gene; cDNA EST EMBL: D6495 comes from this gene; cDNA EST EMBL: D68193 comes from this gene; cDNA EST EMBL: D68193 comes from this gene; cDNA EST EMBL: C13582 comes from this gene; cDNA EST EMBL: C13582 comes from this gene; cDNA EST EMBL: C13582 comes from this gene; cDNA EST yk315f2.5 comes from this gene; cDNA EST yk244b1.3 comes this gen; cDNA EST yk244b1.5 comes from this gene; cDNA EST yk244b1.5 comes from this gene; cDNA EST yk390b6.3 comes from this gene; cDNA EST yk390b6.5 comes	
	44	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. CAA21042 predicted using Genefinder; similar to Helix-loop-helix DNA-binding domain; cDNA EST EMBL: D34815 comes from this gene; cDNA EST EMBL: D68853 comes from this gene; cDNA EST EMBL: D68853 comes from this gene; cDNA EST EMBL: D67853 comes from this gene; cDNA EST yk349h3.5 comes from this gene; cDNA EST EMBL: D32385 comes from this gene; cDNA EST EMBL: D64735 comes from this gene; cDNA EST EMBL: D64806 comes from this gene; cDNA EST EMBL: C10363 comes from this gene; cDNA EST EMBL: C11998 comes from this gene [Caenorhabditis elegans]	

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Sheet 5 of 6 Attorney Docket Number

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	D2
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	50000
	45	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAC91576 Sequence 18 from patent US 5780262	
	46	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAC50051 SREBP-1 [Homo sapiens]	
	47	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAD08631 SP2 metalloprotease [Homo sapiens]	
	48	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. 642180 Caenrhabditis elegans cosmid D2013	
	49	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. BAA74795 sterol regulatory element-binding protein-1 (SREBP-1) [Mus musculus]	
	50	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAA50746 sterol regulatory element binding protein-2 [Homo sapiens]	
	51	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAA20085 sterol regulatory element binding protein-1 [Cricetulus griseus]	
	52	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. A48085 tanscription factor ADD1 - rat	
	53	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAA74141 sterol regulatory element binding protein-2 [Cricetulus griseus]	
	54	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. BAA12111 the KIAA0199 gene is expressed ubiquitously; the KIAA0199 protein shows similarity to sea urchin hydroxymethylglutalyl-CoA reductase, and retains 8 hydrophobic domains. [Homo sapiens]	

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Complete if Known **Application Number** 10/018,248 Filing Date 06/08/2000 First Named Inventor Costa, Michael Group Art Unit **Examiner Name** EX99-004C-US Attorney Docket Number

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OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	100	
	" 55	XU et al., Sterol regulatory element binging protein-1 expression is suppressed by dietary polyunsaturated fatty acids. The Journal of Biological Chemistry. August 1999. vol. 274, No. 33, pages 23577-23583.		
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	65	FURLONG et al., 1995, J. Lipid Res. 36(1):1-12.		

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